

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE*UTILITY PATENT APPLICATION  
TRANSMITTAL*

Docket No.: 15730.0800

Box PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Herewith is the utility patent application of Applicants.

Applicant: Mengtao Pete He, Carl Triplett, Mary J. Conway, Michael Strasser, David Rinaldis

TITLE: METHODS AND APPARATUS FOR A VARIABLE RESISTOR CONFIGURED TO  
COMPENSATE FOR NON-LINEARITIES IN A HEATING ELEMENT CIRCUIT

PTO CUSTOMER NO.: 20322

Including:

- ☒ 19 Pages of Specification
- ☒ Descriptive Title of the Invention
- ☒ Cross-Reference to Related Applications
- ☒ Field of Invention
- ☒ Background of the Invention
- ☒ Summary of the Invention
- ☒ Brief Description of the Drawings
- ☒ Detailed Description
- ☒ Claims (20 total, 3 independent)
- ☒ Abstract
- ☒ Drawings: 8 Sheets (Figs 1-9b) (informal)
- ☒ Acknowledgment Postcard

**Cross-Reference To Related Application**

This application claims priority to United States Provisional Patent Application Serial No. 60/407,392 filed August 30, 2002 and entitled "Method and Apparatus for a Variable Resistor Configured to Compensate for Non-Linearities in a Heating Element Circuit," and is incorporated herein by reference.

- ☐ Small entity status under 37 C.F.R. §§1.9 and 1.27 is claimed.

Utility Application Filing Fee	=	\$750.00
(20 claims total, 3 independent claims)		
0 Claims In Excess of 20	x \$18.00 =	N/A
0 Independent Claims In Excess of 3	x \$84.00 =	N/A
	Subtotal =	\$750.00
If "small entity" status box above is checked, enter half	-	N/A
(1/2) of Subtotal and subtract		
	Subtotal	\$750.00
If "assignment" box is checked, add recording fee:	+ \$ 40.00 +	N/A
If "37 C.F.R. §1.47" box above is checked, add Petition fee	+ \$130.00	N/A
(per 37 C.F.R. §1.17(h)):		
	TOTAL FEES DUE =	<u>\$750.00</u>

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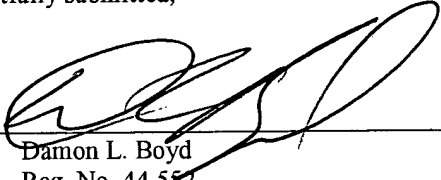
**This statement does NOT authorize charge of the issue fee.** The Commissioner is hereby authorized to charge any other fee specifically authorized hereafter, or any **deficiency** in the fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under 37 C.F.R. §§1.16-1.18 (**deficiency** only) now or hereafter relative to this Application and the resulting Official document under 37 C.F.R. §1.20, or credit any overpayment to Account No. 19-2814 **for which purpose a duplicate copy of this sheet is attached.**

Please send correspondence regarding this application to the undersigned attorney at the address given below. Please accord this application a serial number and filing date pursuant to 37 C.F.R. §1.53, and advise the undersigned thereof.

Respectfully submitted,

Date: 26 August 2003

By: \_\_\_\_\_

  
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